Subject: Field optimization
Posted by Mohammad Al-Turany on Fri, 19 Dec 2008 13:29:26 GMT
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Hallo,

I changed the field classes a little bit in SVN to get more performance! So the memethods GetBx, GetBy and GetBz are combined in one call now (GetBxyz) the advantage of this can be seen in the attached pictures!

The old get field methods

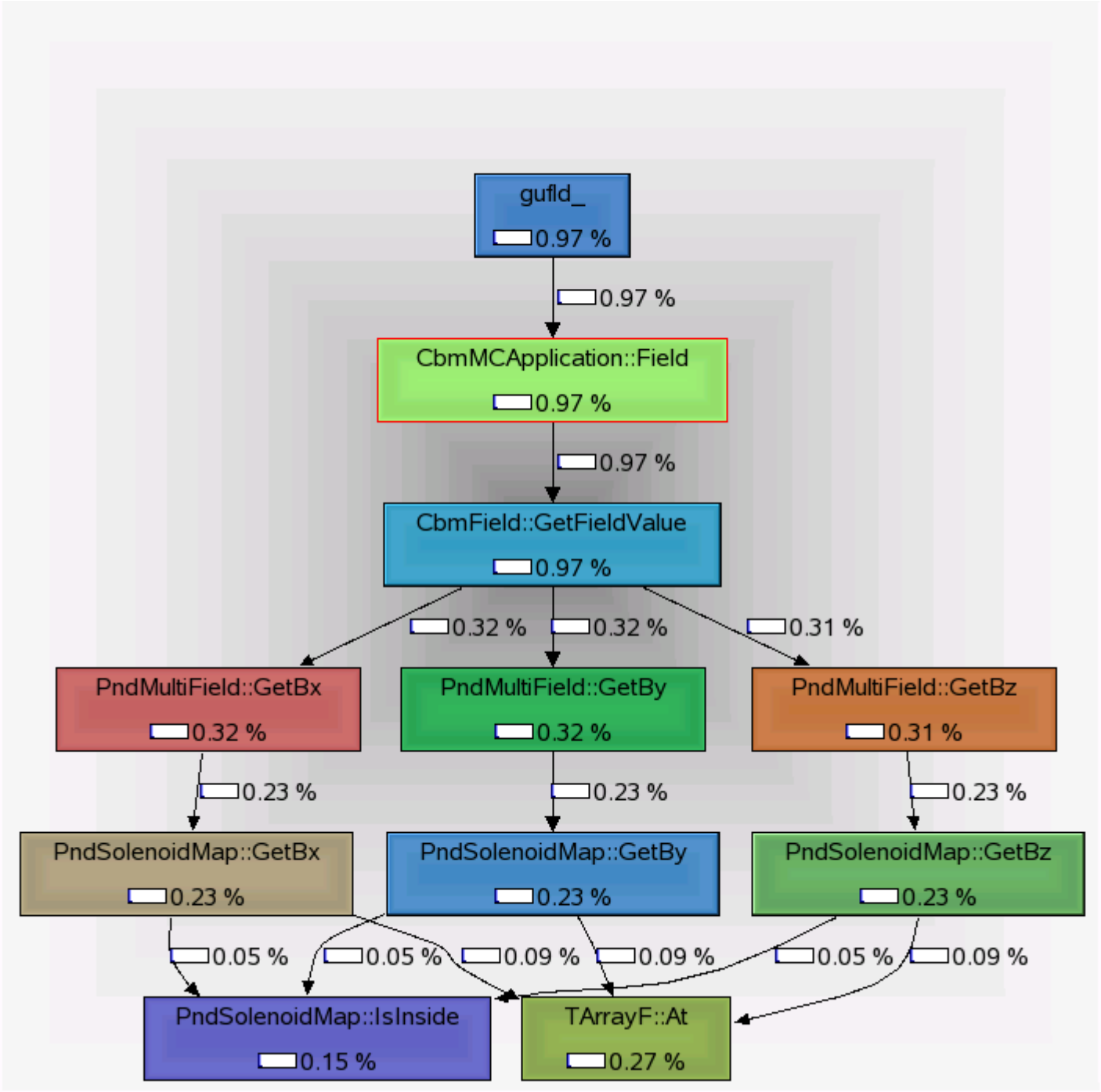
The new one:

regards

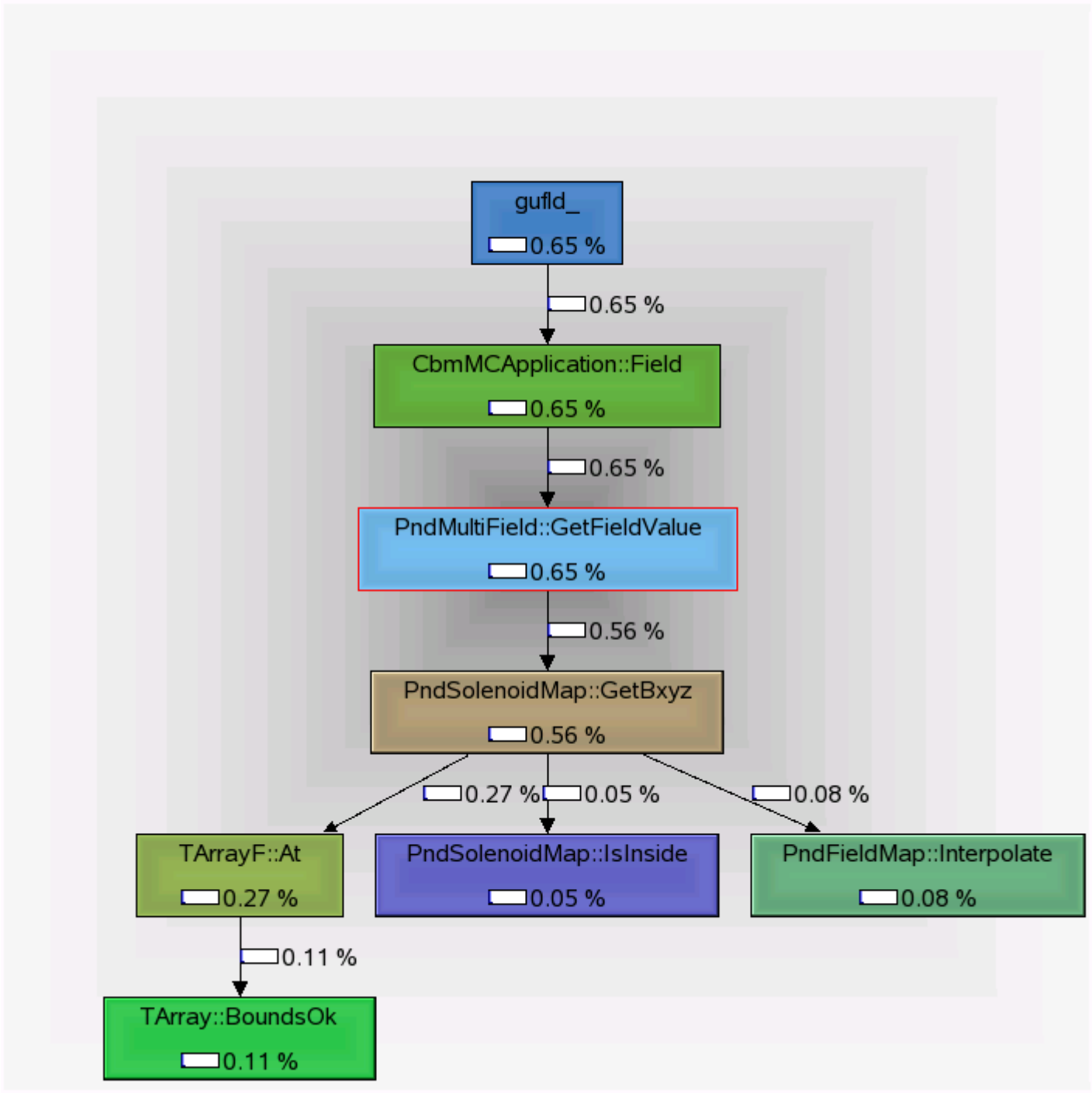
Mohammad

File Attachments

1) field1.png, downloaded 2618 times



2) field2.png, downloaded 2597 times


gufld_
0.65 %
0.65 %
CbmMCApplication::Field
0.65 %
0.65 %
PndMultiField::GetFieldValue
0.65 %
0.56 %
PndSolenoidMap::GetBxyz
0.56 %
0.27 %
0.05 %
0.08 %
TArrayF::At
0.27 %
PndSolenoidMap::IsInside
0.05 %
PndFieldMap::Interpolate
0.08 %
0.11 %
TArray::BoundsOk
0.11 %